

Recombinant Human IARS1 Protein (Met1-Arg500), N-His tagged

Cat. No. IARS1-3500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IARS1 (Met1-Arg500) protein fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg500
Description	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Isoleucine-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family and has been identified as a target of autoantibodies in the autoimmune disease polymyositis/dermatomyositis. Alternatively spliced transcript variants have been found.
Molecular Mass	60.44 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

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centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

Storage Buffer 0.01M PBS, pH 7.4, 0.02 % NLS

Reconstitution Reconstitute in sterile water for a stock solution.

Shipping In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name [IARS1 isoleucyl-tRNA synthetase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [IARS1](#)

Synonyms IARS1; isoleucyl-tRNA synthetase 1; IRS; IARS; ILRS; ILERS; GRIDHH; PRO0785; isoleucine--tRNA ligase, cytoplasmic; isoleucine tRNA ligase 1, cytoplasmic; EC 6.1.1.5

Gene ID [3376](#)

mRNA Refseq [NM_013417](#)

Protein Refseq [NP_038203](#)

MIM [600709](#)

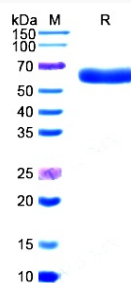
UniProt ID [P41252](#)

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SDS-PAGE



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